

New Oceans Research Data Products at the EOSDIS JPL PO.DAAC

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The JPL Physical Oceanography Distributed Active Archive Center (PO.DAAC) archives and distributes ocean data products which are largely satellite derived. The JPL PO.DAAC is one of nine NASA EOS Data and Information System (EOSDIS) DAACs which provide data and information to support the global change research community. Newly released JPL PO.DAAC products include TOPEX/Poseidon data, Oceans Pathfinder SST data and TOGA related data.

TOPEX/Poseidon data from the on-going mission is distributed on a series of CD-ROMs. The data product combines measurements from two altimeters; sea surface height precision is within 3 cm. Each data record on the CD-ROM contains the time-tagged, geolocated range and altitude and instrument and environmental corrections. These data support large and active research efforts into areas such as El Niño and global ocean circulation.

The NOAA/NASA Oceans Pathfinder SST task involves reprocessing NOAA AVHRR data to create a high quality SST data set suitable for global studies. Data to be processed covers 1981-present and as of Feb. '95 three and a half years have been processed. Initial comparative studies demonstrate that the data provides far greater SST coverage than previously available products.

The Tropical Ocean and Global Atmosphere (TOGA) CD-ROM product (six CD-ROMs) contains 15 TOGA-related data sets consisting of meteorological and oceanographic products provided by institutions world-wide. Software to browse and extract the data is also included. Although the focus is on the tropics, much of the data is global.